

Title (en)

Valve arrangement with improved failsafe operation

Title (de)

Ventilanordnung mit verbessertem ausfallsicherem Betrieb

Title (fr)

Agencement de soupape présentant un meilleur fonctionnement à sécurité intégrée

Publication

EP 3012483 B1 20190213 (EN)

Application

EP 14189715 A 20141021

Priority

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Abstract (en)

[origin: EP3012483A1] The present relates to a valve arrangement (1) for controlling a flow of damping medium in a shock absorber. The invention is based on the insight that traditional radial or angled fail safe flows create turbulence which affects the axial position of the control valve member by direct axial forces and increased friction due to radial forces acting on the control valve member. By instead providing a radial column (18) with an axial failsafe flow (20), the fail safe flow (20) is not dependent on the exact axial position of the control valve member (5) for creating the fail safe restriction, and moreover less turbulence arise affecting the axial position of the control valve member (5). Thereby an improved valve arrangement (1) is provided which has a more stable and reliable failsafe operation, resulting in a more dependable valve arrangement (1).

IPC 8 full level

F16F 9/46 (2006.01)

CPC (source: CN EP US)

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Cited by

EP4063688A1; WO2023117961A1

Designated contracting state (EPC)

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